SEC Form 4												
FO	RM 4	UNITE	D STATES	SECURITIES Washing	SANDE	-	COMM	ISSION				
to Section 16	ox if no longer subjec . Form 4 or Form 5 ay continue. <i>See</i> b).	t STA	Filed purs	DF CHANGE	of the Securit	ies Exchange Act of			OMB Number: 3235-0287 Estimated average burden hours per response: 0.5			
1. Name and Address of Reporting Person [*] Mazabraud Yann				ssuer Name and Tick <u>HYTHM PHAI</u> RYTM]	er or Trading	Symbol	<u>C.</u> (Che	5. Relationship of Reporting Person(s) to Issuer (Check all applicable) Director 10% Owner X Officer (give title Other (specify				
 (Last) (First) (Middle) C/O RHYTHM PHARMACEUTICALS, INC. 222 BERKELEY STREET, 12TH FLOOR 				Date of Earliest Trans /14/2023	action (Month	/Day/Year)		below) EVP, He	below ead of Internation	,		
(Street) BOSTON	MA	02116	4.1	f Amendment, Date o	f Original File	d (Month/Day/Year)	Line	6. Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person				
(City)	(State)	(Zip) Table I - Nor	n-Derivative	Securities Acq	uired, Dis	posed of, or Be	eneficial	ly Owned				
Date			2. Transaction Date (Month/Day/Yea	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)	4. Securities Acquir Disposed Of (D) (Ins 5)		5. Amount of Securities Beneficially Owned Follow Reported	Form: Direct (D) or Indirect	7. Nature of Indirect Beneficial Ownership (Instr. 4)		

						Code	v	Amount	(A) or (D)	Price	(Instr. 3	ction(s) 8 and 4)		
Common	Stock		02/14/2	2023		S ⁽¹⁾		1,177	D	\$27.03	3	,827	D	
Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)														
1. Title of Derivative	2. Conversion	3. Transaction Date	3A. Deemed Execution Date,	4. Transaction	5. Number of	6. Date Expirat			7. Title ar Amount o			9. Number of derivative	10. Ownership	11. Nature of Indirect

Derivative Security (Instr. 3)	Conversion or Exercise Price of Derivative Security	Date (Month/Day/Year)	Execution Date, if any (Month/Day/Year)			Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		Expiration Date (Month/Day/Year)		Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		Derivative Security (Instr. 5)	derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	of Indirect Beneficial Ownership (Instr. 4)	
				Code	v	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares					

Explanation of Responses:

1. The sale reported in the Form 4 was effected pursuant to a Rule 10b5-1 instruction solely with the intent to cover withholding taxes in connection with the vesting of certain previously reported restricted stock units.

/s/ Hunter Smith, Attorney-in-02/16/2023

Fact for Yann Mazabraud

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

* If the form is filed by more than one reporting person, see Instruction 4 (b)(v).

** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.